

Appts. for trapping harmful gases in moulding foam - traps foam residues and then passes fluoro-hydrocarbon gases out to condenser where they are collected

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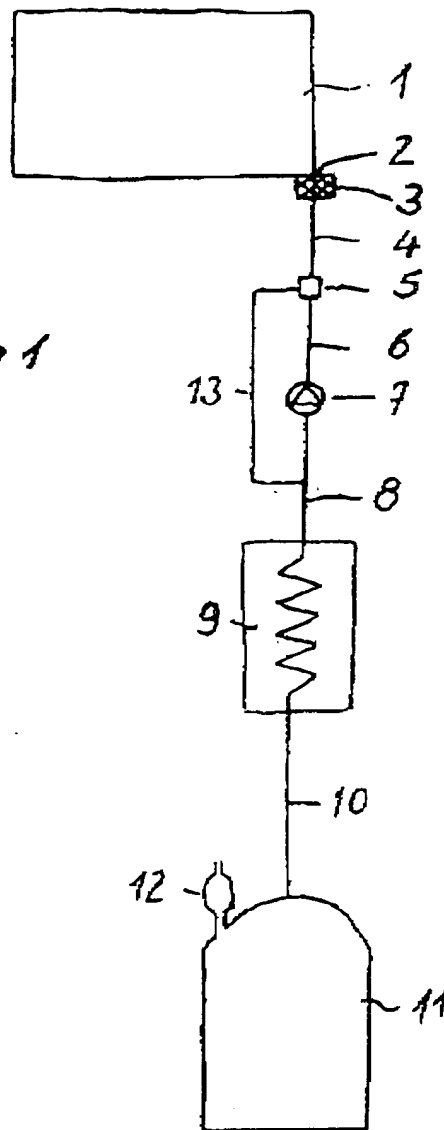
Abstract of DE3940824

Foaming appts. for use with materials plus foaming agent, has at least one mould with at least one vent which has a device for trapping non-atmospheric gases and fluoro-hydrocarbons in partic. the appts. being esp. intended for producing foam doors or bodies of refrigerators. A condenser for the non-atmospheric gases is located between the vent and trapping device. The polymer is foamed in moulds (1) each of which has at least one vent (2) connected to a collecting chamber (3) for e.g. foam residues. This chamber is connected (4) to a valve (5) whose main pipe leads (6) to the low pressure side of a vacuum pump (7) the outlet of the pump is connected (8) to a condenser (9). Harmful gases from the foaming agent are condensed here (9) and are collected in a container (11) whose top leads to the atmosphere through a filter (12) to absorb the non-atmospheric gases. The side outlet of the valve (5) leads to a bypass (13) and the inlet to the condenser (9).

ADVANTAGE - The layout is a simple system for sepg. harmful gases out of the foaming agent used.

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Fig 1



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